



Tuesday, March 16, 2021

Attn: Jennifer Atkins
AECOM
250 Apollo Drive
Chelmsford, MA 01824

Project ID: GULF CHELSEA TERMINAL
SDG ID: GCH77969
Sample ID#s: CH77969 - CH77970

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
UT Lab Registration #CT00007
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Sample Id Cross Reference

March 16, 2021

SDG I.D.: GCH77969

Project ID: GULF CHELSEA TERMINAL

Client Id	Lab Id	Matrix
OUTFALL 003	CH77969	SURFACE WATER
TRIP BLANK	CH77970	SURFACE WATER



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

March 16, 2021

FOR: Attn: Jennifer Atkins
AECOM
250 Apollo Drive
Chelmsford, MA 01824

Sample Information

Matrix: SURFACE WATER
Location Code: AECOME-GULF
Rush Request: 72 Hour
P.O.#: TSS ONLY

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

03/11/21

Time

16:00

03/12/21

16:11

Laboratory Data

SDG ID: GCH77969
Phoenix ID: CH77969

Project ID: GULF CHELSEA TERMINAL
Client ID: OUTFALL 003

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Oil and Grease by EPA 1664A	< 1.4	1.4	mg/L	1	03/15/21	MSF	EPA 1664
pH	7.66	1.00	pH Units	1	03/13/21 03:28	AP/EG	SM4500-H B-11
Total Suspended Solids	< 3.3	3.3	mg/L	0.7	03/15/21	LS	SM 2540D-11
Semi-Volatile Extraction	Completed				03/12/21	P/CG	SW3520C

Aromatic Volatiles w/Napthalene

Benzene	ND	1.0	ug/L	1	03/13/21	MH	E624.1
Napthalene	ND	1.0	ug/L	1	03/13/21	MH	E624.1

QA/QC Surrogates

% 1,2-dichlorobenzene-d4	101		%	1	03/13/21	MH	70 - 130 %
% Bromofluorobenzene	96		%	1	03/13/21	MH	70 - 130 %
% Dibromofluoromethane	102		%	1	03/13/21	MH	70 - 130 %
% Toluene-d8	99		%	1	03/13/21	MH	70 - 130 %

Semivolatiles by SIM, PAH

Benzo(a)pyrene	ND	0.02	ug/L	1	03/15/21	WB	E625.1
Napthalene	ND	0.10	ug/L	1	03/15/21	WB	E625.1

QA/QC Surrogates

% 2-Fluorobiphenyl	52		%	1	03/15/21	WB	30 - 130 %
% Nitrobenzene-d5	68		%	1	03/15/21	WB	30 - 130 %
% Terphenyl-d14	64		%	1	03/15/21	WB	30 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

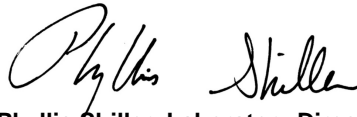
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 16, 2021

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

March 16, 2021

FOR: Attn: Jennifer Atkins
AECOM
250 Apollo Drive
Chelmsford, MA 01824

Sample Information

Matrix: SURFACE WATER
Location Code: AECOME-GULF
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: CP
Analyzed by: see "By" below

Date

03/11/21
03/12/21

Time

16:00
16:11

Laboratory Data

SDG ID: GCH77969
Phoenix ID: CH77970

Project ID: GULF CHELSEA TERMINAL
Client ID: TRIP BLANK

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<u>Aromatic Volatiles w/Napthalene</u>							
Benzene	ND	1.0	ug/L	1	03/13/21	MH	E624.1
Napthalene	ND	1.0	ug/L	1	03/13/21	MH	E624.1
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	97		%	1	03/13/21	MH	70 - 130 %
% Bromofluorobenzene	97		%	1	03/13/21	MH	70 - 130 %
% Dibromofluoromethane	97		%	1	03/13/21	MH	70 - 130 %
% Toluene-d8	98		%	1	03/13/21	MH	70 - 130 %

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

TRIP BLANK INCLUDED.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

March 16, 2021

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

March 16, 2021

QA/QC Data

SDG I.D.: GCH77969

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 566803 (mg/L), QC Sample No: CH76950 (CH77969)													
Total Suspended Solids	BRL	2.5	52	56	7.40	96.0						85 - 115	20
QA/QC Batch 566801 (mg/L), QC Sample No: CH77479 (CH77969)													
Oil and Grease by EPA 1664A	BRL	1.4				101	97.0	4.0				85 - 115	20
Comment:													
A Blank spike was performed instead of a matrix spike													
Additional: MS acceptance range 75-125%.													
QA/QC Batch 566754 (pH), QC Sample No: CH77689 (CH77969)													
pH			7.22	7.62	5.40	98.3						85 - 115	20



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

March 16, 2021

QA/QC Data

SDG I.D.: GCH77969

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 566701 (ug/L), QC Sample No: CH77505 (CH77969)										
<u>Semivolatiles by SIM, PAH - Surface Water</u>										
Benzo(a)pyrene	ND	0.02	57	74	26.0				30 - 130	20 r
Naphthalene	ND	0.50	63	68	7.6				30 - 130	20
% 2-Fluorobiphenyl	58	%	53	58	9.0				30 - 130	20
% Nitrobenzene-d5	77	%	65	72	10.2				30 - 130	20
% Terphenyl-d14	71	%	71	79	10.7				30 - 130	20

Comment:

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QA/QC Batch 566870 (ug/L), QC Sample No: CH78086 (CH77969, CH77970)

Volatiles - Surface Water

Benzene	ND	0.70	111	96	14.5	105	100	4.9	64 - 136	20
Naphthalene	ND	1.0	119	105	12.5	113	112	0.9	70 - 130	30
% 1,2-dichlorobenzene-d4	98	%	97	98	1.0	101	101	0.0	70 - 130	30
% Bromofluorobenzene	95	%	101	99	2.0	98	99	1.0	70 - 130	30
% Dibromofluoromethane	100	%	104	95	9.0	99	100	1.0	70 - 130	30
% Toluene-d8	99	%	100	99	1.0	99	100	1.0	70 - 130	30

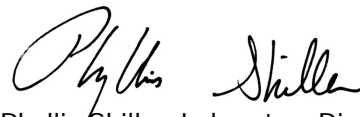
Comment:

A blank MS/MSD was analyzed with this batch.

r = This parameter is outside laboratory RPD specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference


Phyllis Shiller, Laboratory Director
March 16, 2021

Tuesday, March 16, 2021

Criteria: None
State: CT

Sample Criteria Exceedances Report
GCH77969 - AECOME-GULF

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
--------	-------	-----------------	----------	--------	----	----------	----------------	-------------------

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Comments

March 16, 2021

SDG I.D.: GCH77969

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report: None.

